

SOME NEW FOOD PLANTS FOR VARIOUS QUEENSLAND BUTTERFLIES

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During the past six years the writer has carried out an extensive study of food plants of Queensland butterflies. As a result, a significant number of new food plants has been discovered. The following list comprises those so far identified.

In all cases, except that of *Papilio ulysses joesa* Butler, both eggs and larvae were found on the plants. These were subsequently bred to the adult stage on the same plant.

Those plants marked by an asterisk are introduced species.

All localities mentioned below are in Queensland.

Graphium macleayanum macleayanum (Leach)

Daphnandra micrantha Benth. (Monimiaceae). Mt. Tamborine, south-east Queensland, Mar. 1968.

Graphium sarpedon choredon (C. & R. Felder)

Litsea reticulata (Meissn.) F. Muell. (Lauraceae). Woodgate, near Childers, Dec. 1971.

Graphium eurypylus lycaon (C. & R. Felder)

Saccopetalum bidwillii Benth. (Annonaceae). Kolan River, 50km Nth of Gin Gin, Dec. 1971.

Graphium agamemnon ligatum (Rothschild)

Polyalthia nitidissima (Dun.) Benth. (Annonaceae). Yorkeys Knob, near Cairns, May 1973.

Papilio aegeus aegeus Donovan

Melicope erythrocoeca (F. Muell.) Benth. (Rutaceae). Wallaville, near Gin Gin, Dec. 1970.

Micromelum minutum (Forst. f.) Wight & Arn. (Rutaceae). Wallaville, near Gin Gin, Dec. 1971.

Papilio fuscus capaneus Westwood

Glycosmis pentaphylla (Retz.) Corr. (Rutaceae). Kolan River 50km Nth of Gin Gin, Dec. 1971.

Micromelum minutum (Forst. f.) Wight & Arn. (Rutaceae). Wallaville, near Gin Gin, Dec. 1973.

Papilio ulysses joesa Butler

Citrus orange (Rutaceae). Two second instar larvae were collected on orange in May 1973 at Cairns, one died and the other developed normally.

Ornithoptera priamus richmondia (Gray)

Aristolochia deltantha F. Muell var *laheyana* F. M. Bail. (Aristolochiaceae). Mt Tambourine, south-east Queensland, May 1968. Females also laid on species of *Aristolochia* from north Queensland and New Guinea growing in the author's garden at Mt Tamborine. The larvae developed normally, pupated, and eventually produced imagos.

Catopsilia pomona pomona (Fabricius)

Cassia brewsteri (F. Muell.) F. Muell. ex Benth (Caesalpiniaceae). Bauple, near Maryborough, Dec. 1968.

Cassia tormantella Domin. (Caesalpiniaceae). Maroon, near Boonah, south-east Queensland, Mar. 1973.

Cassia marksiana (Bail.) Domin. (Caesalpiniaceae). Beechmont, south-east Queensland, Feb. 1970.

Cassia queenslandica C. T. White (Caesalpiniaceae). Cairns, May 1971.

Danaus chrysippus petilia (Stoll)

Ischnostemma carnosum (R. Br.) Merr. & Rolfe (*Cynanchum carnosum*) (Asclepiadaceae). Redland Bay, nr. Bris., Feb. 69.

**Calotropis procera* (Willd.) R. Br. (Asclepiadaceae). Georgetown, 300 km east of Normanton, Dec. 1969.

**Calotropis gigantea* (L.) R. Br. in Ait. (Asclepiadaceae). Brisbane, Feb. 1970.

Danaus hamatus hamatus (W. S. Macleay)

Secamone elliptica R. Br. (Asclepiadaceae). Wallaville, near Gin Gin, Jan. 1969.

Ischnostemma carnosum (R. Br.) Merr. & Rolfe (*Cynanchum carnosum*) (Asclepiadaceae). Redland Bay, nr. Bris., Mar. 69.

Euploea core corinna (W. S. Macleay)

Ischnostemma carnosum (R. Br.) Merr. & Rolfe (*Cynanchum carnosum*) (Asclepiadaceae). Redland Bay, nr. Bris., Mar. 69.

Secamone elliptica R. Br. (Asclepiadaceae). Wallaville, near Gin Gin, Jan. 1969.

Sarcostemma australe R. Br. (Asclepiadaceae). Wallaville, near Gin Gin, Jan. 1969.

Gymnanthera nitida R. Br. (Periplocaceae). Wallaville, near Gin Gin, Dec. 1971.

Parsonsia straminea (R. Br.) F. Muell. (Apocynaceae). Brisbane, Mar. 1968.

Polyura pyrhus sempronius (Fabricius)

Guilfoylia monostylis (Benth.) F. Muell. (Simaroubaceae). Kolan River, 50km Nth of Gin Gin, Dec. 1972.

Phaedyma shepherdii shepherdii (Morre)

Celtis philippensis Blanco. (Ulmaceae). Woodgate, near Childers, Dec. 1971.

Mynes geoffroyi guerini Wallace

Dendrocnide photinophylla (Kunth.) Chew (Urticaceae). Wallaville, near Gin Gin, Dec. 1970.

Pipturus argenteus Willd. (Urticaceae). Cairns, May 1972.

Precis hedonia zelima (Fabricius)

Hygrophila salicifolia Nees. (Acanthaceae). Bundaberg, Dec. 1970.

Precis ornithya albicincta (Butler)

Hygrophila salicifolia Nees. (Acanthaceae). Bundaberg, Dec. 1970.

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